

Title (en)
RUBBER COMPOSITION FOR TIRES AND PNEUMATIC TIRE

Title (de)
KAUTSCHUKZUSAMMENSETZUNG FÜR REIFEN UND LUFTREIFEN

Title (fr)
COMPOSITION DE CAOUTCHOUC POUR PNEUS ET PNEU

Publication
EP 3508524 B1 20200513 (EN)

Application
EP 18205092 A 20181108

Priority
JP 2017241692 A 20171218

Abstract (en)
[origin: EP3508524A1] Provided is a pneumatic tire that provides a balanced improvement of abrasion resistance, wet grip performance, and fuel economy. A rubber composition for tires containing: a rubber component including an aromatic vinyl-conjugated diene copolymer that contains aromatic vinyl units derived from an aromatic vinyl compound and conjugated diene units derived from a conjugated diene compound; carbon black; and a silica having a NSA of 40 m/g or more, the copolymer containing at least 80% of isolated aromatic vinyl units based on the total aromatic vinyl units, the copolymer having a ΔT_g of more than 10°C but less than 20°C as determined by DSC, the rubber component including, based on 100% by mass thereof, 1-90% by mass of the copolymer and 0-70% by mass of an isoprene-based rubber, the rubber composition containing 10 parts by mass or more of the silica per 100 parts by mass of the rubber component.

IPC 8 full level
C08L 7/00 (2006.01); **B60C 1/00** (2006.01); **B60C 11/00** (2006.01); **C08L 9/00** (2006.01); **C08L 21/00** (2006.01)

CPC (source: EP US)
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